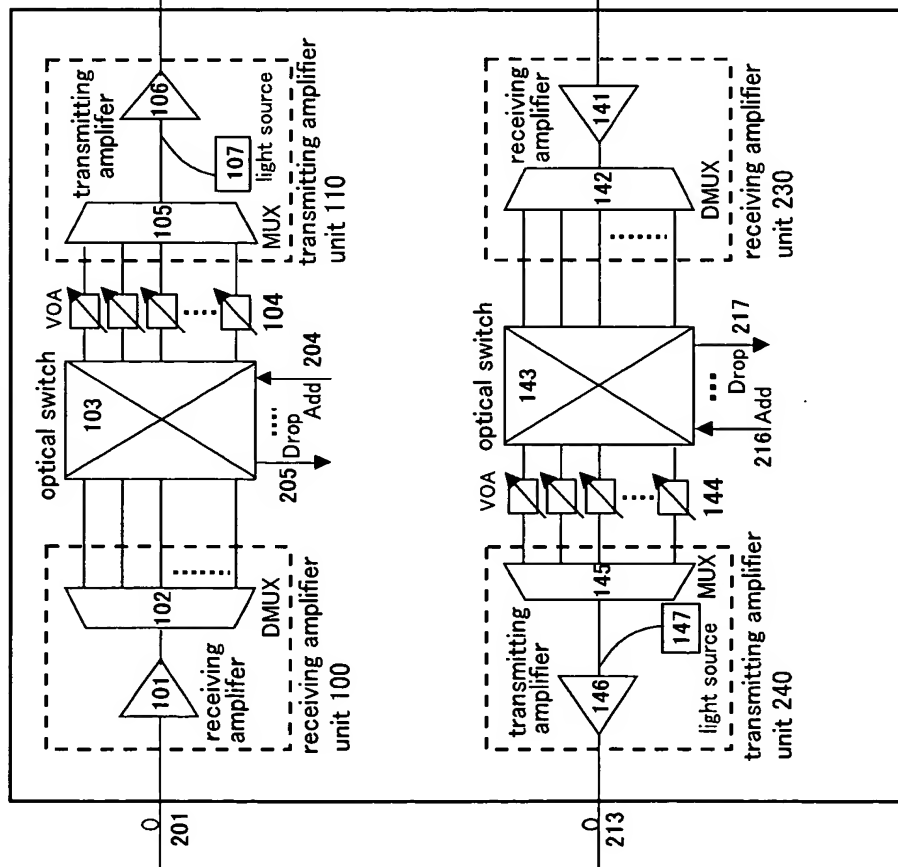


Fig. 1

<Station A>



<Station B>

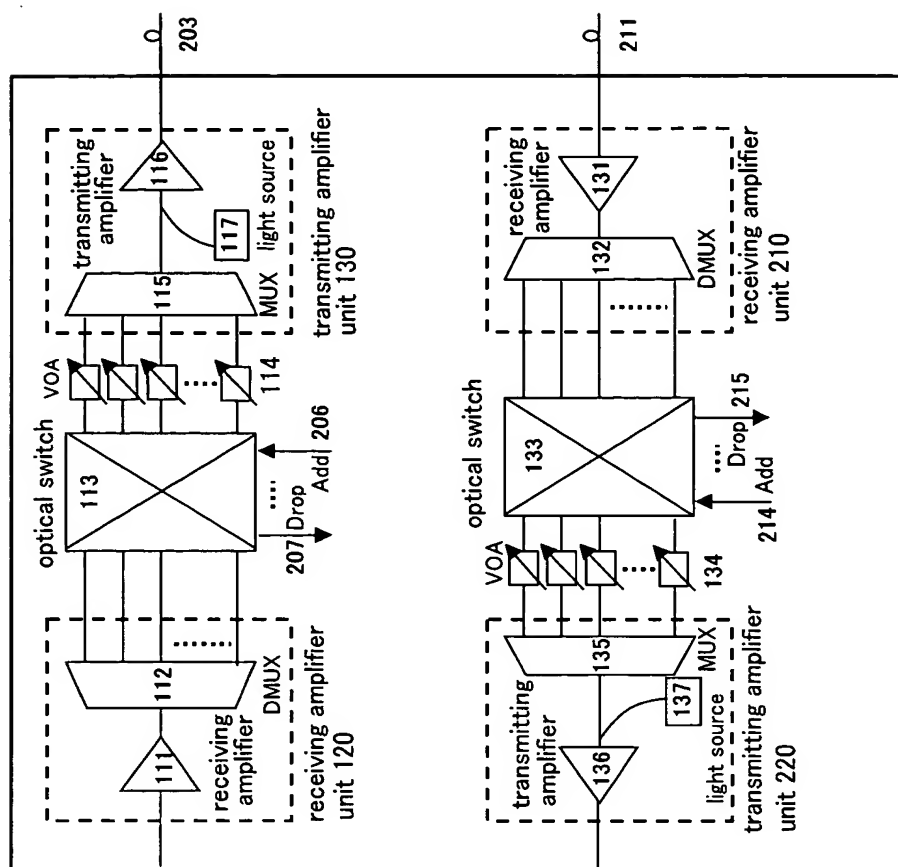


Fig. 2

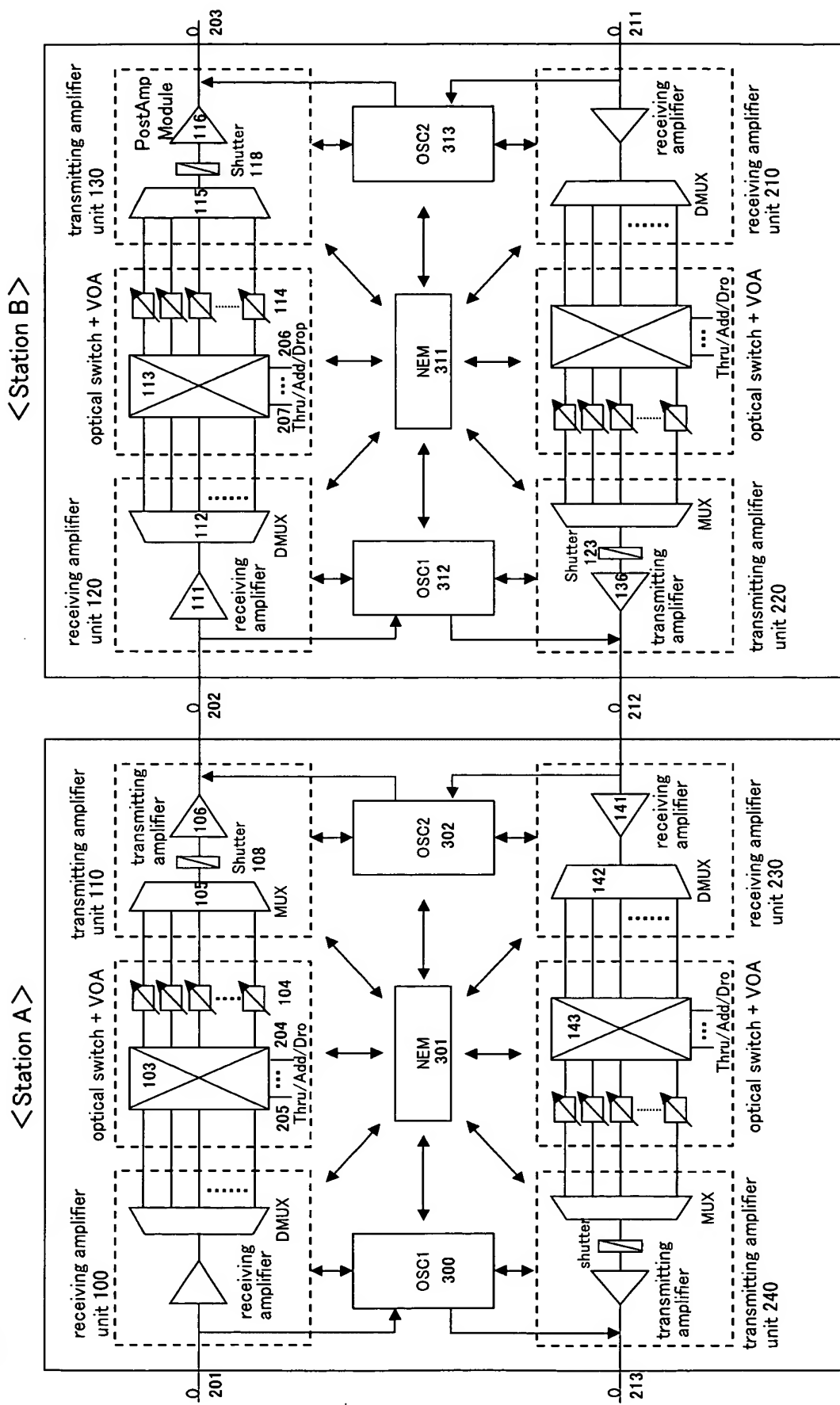


Fig. 3

Gain setting sequence in case of PreAmp_Unit power on

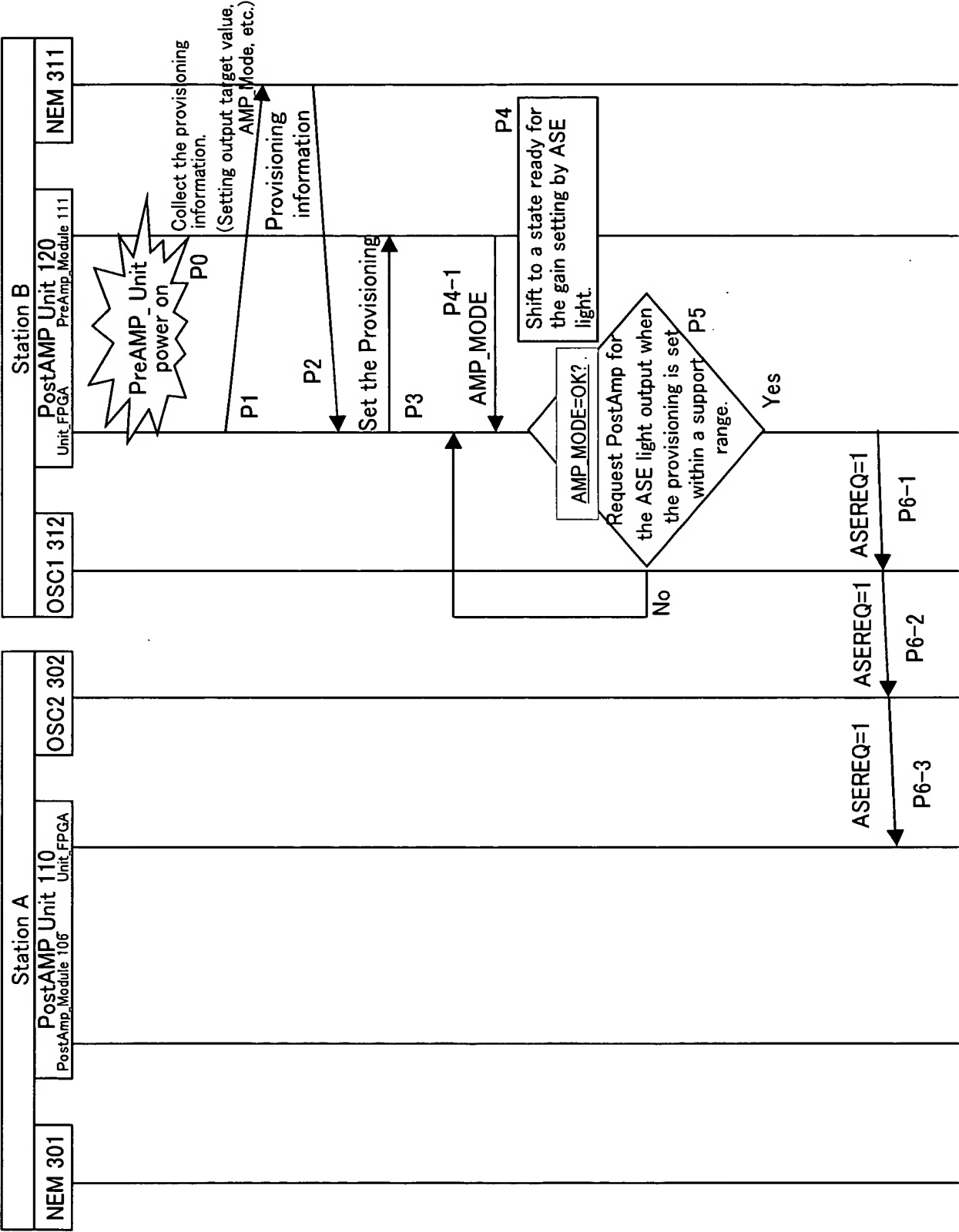
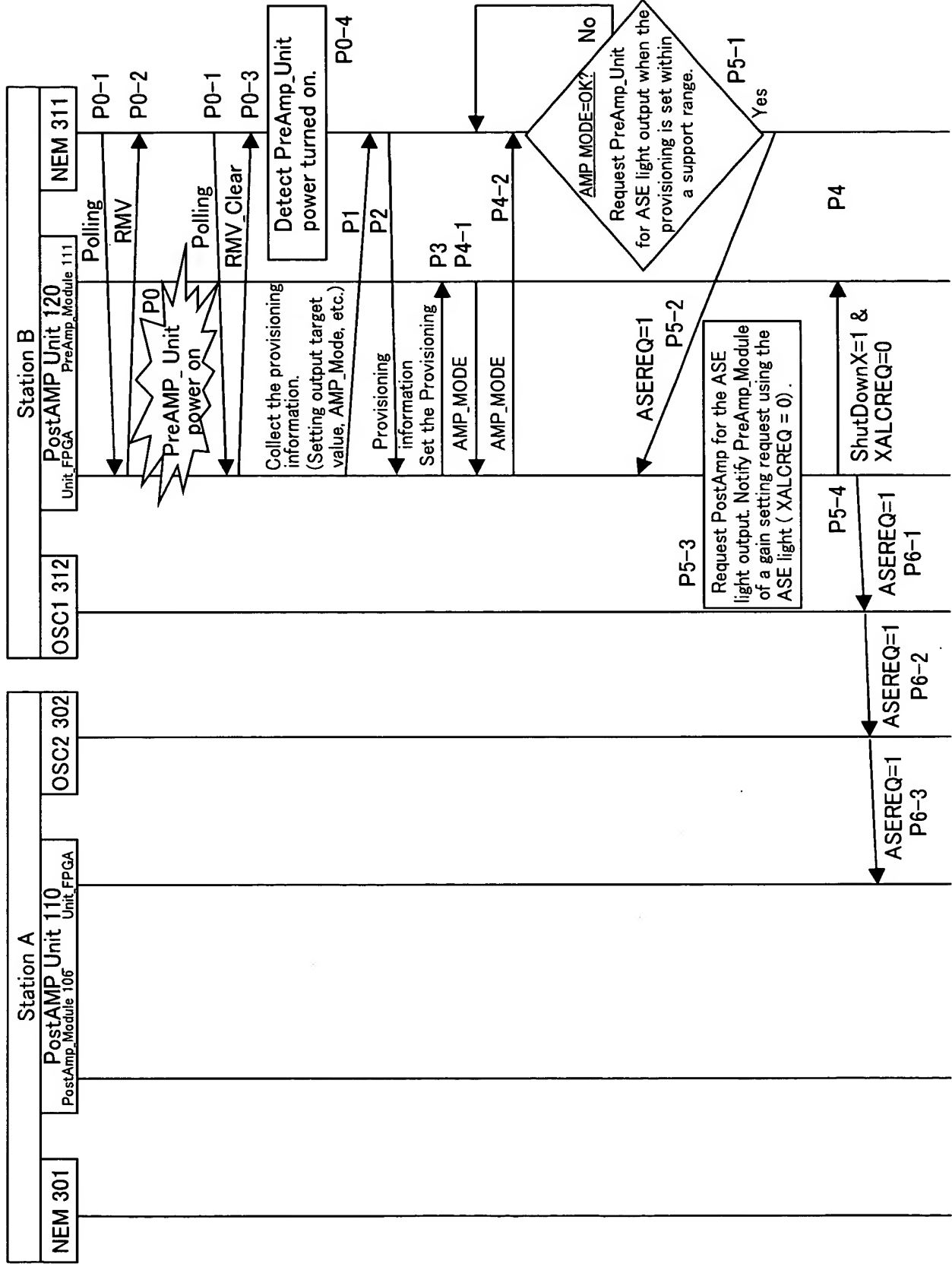


Fig. 4

Gain setting sequence in case of PreAmp_Unit power on



PreAmp gain setting sequence in case of the fiber restoration

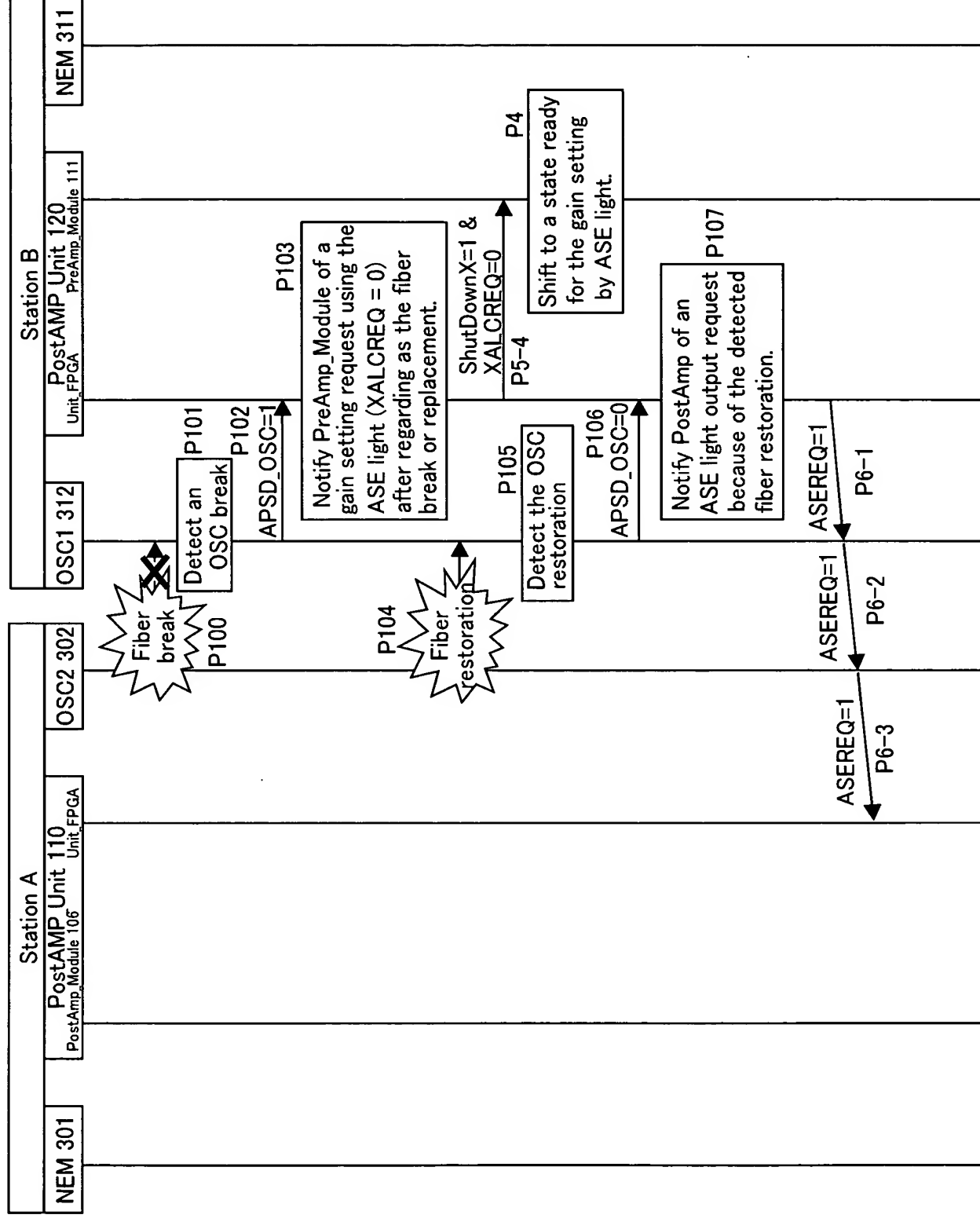


Fig. 6

PreAmp gain setting sequence in case of the fiber restoration

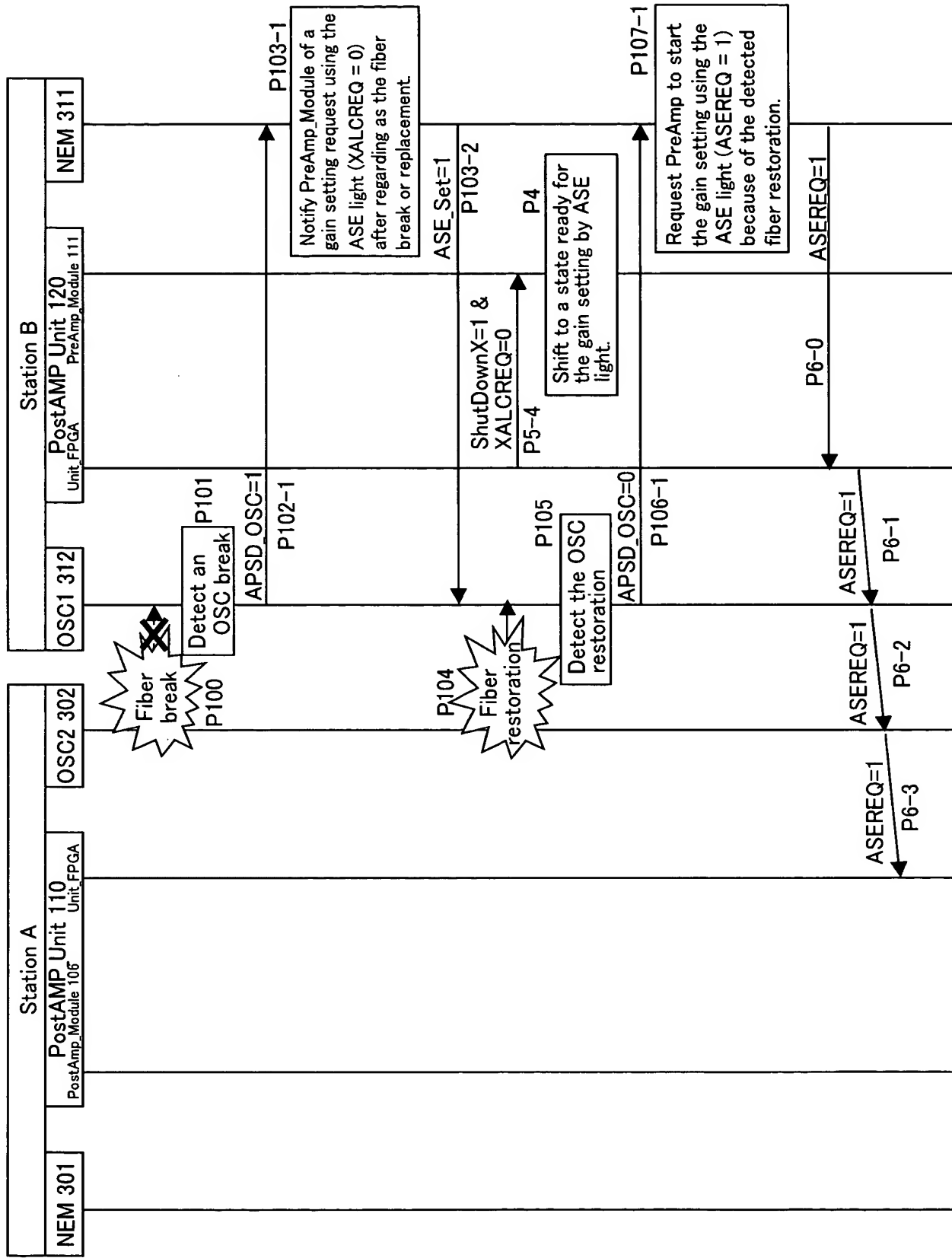


Fig. 7

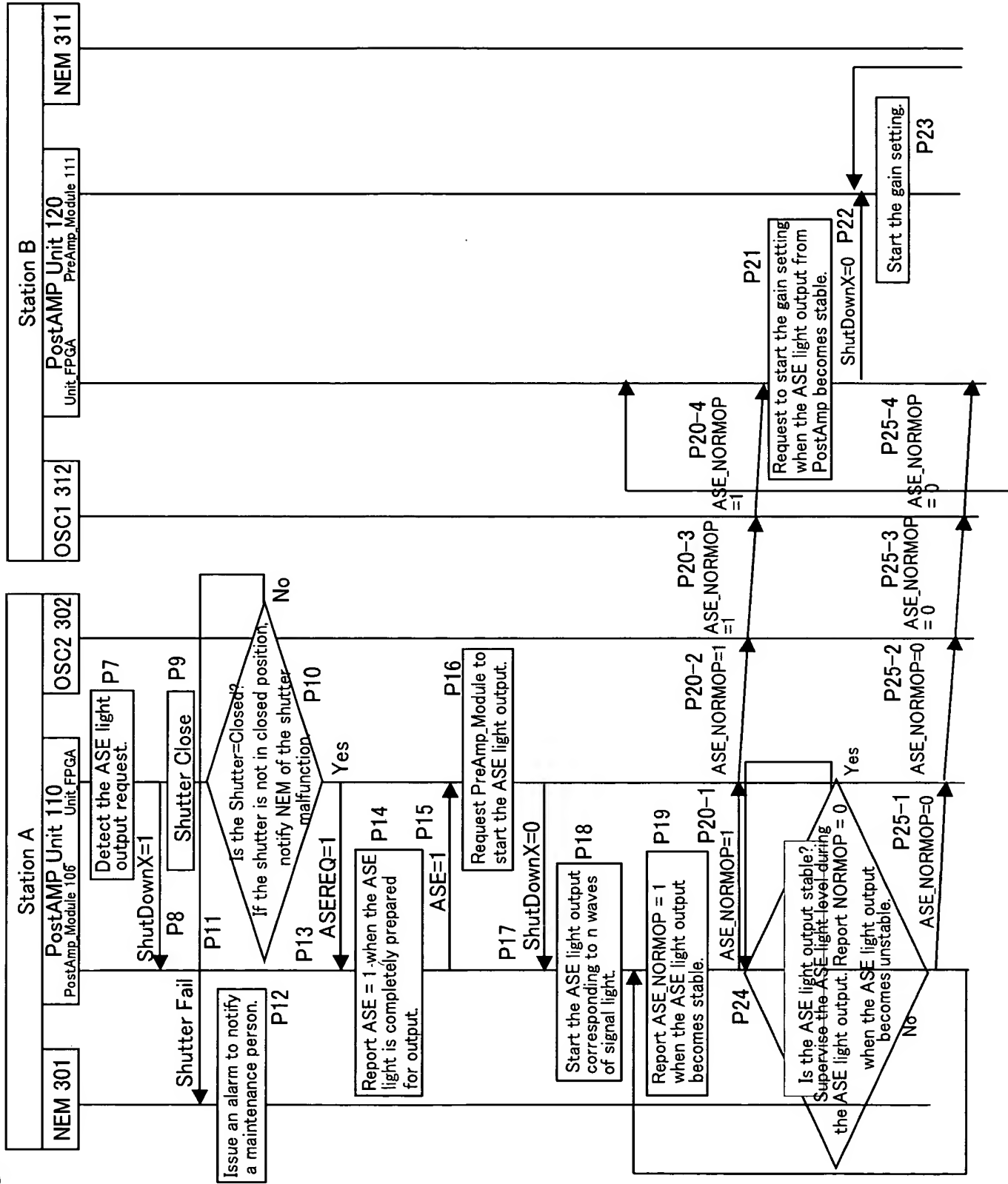


Fig. 8

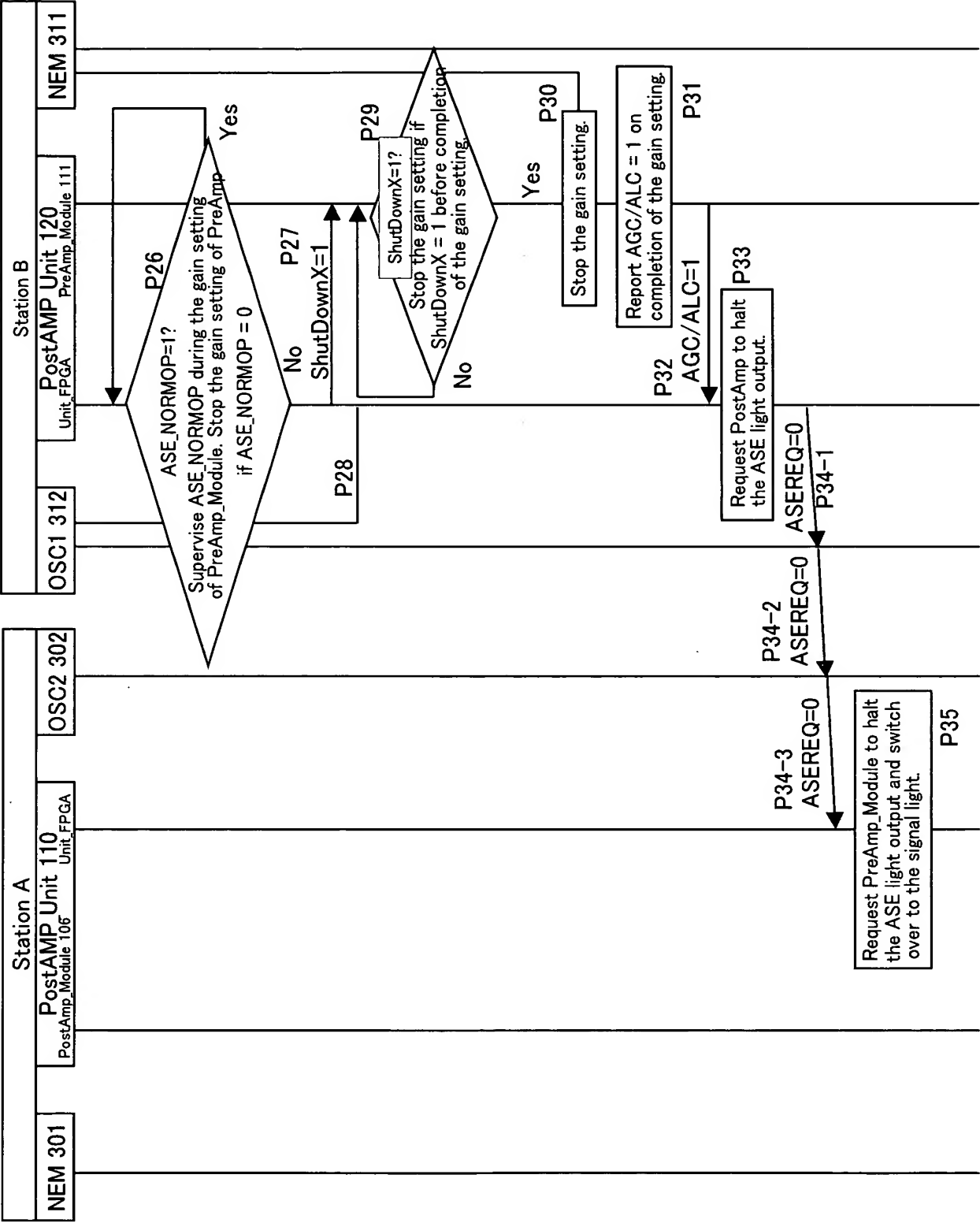


Fig. 9

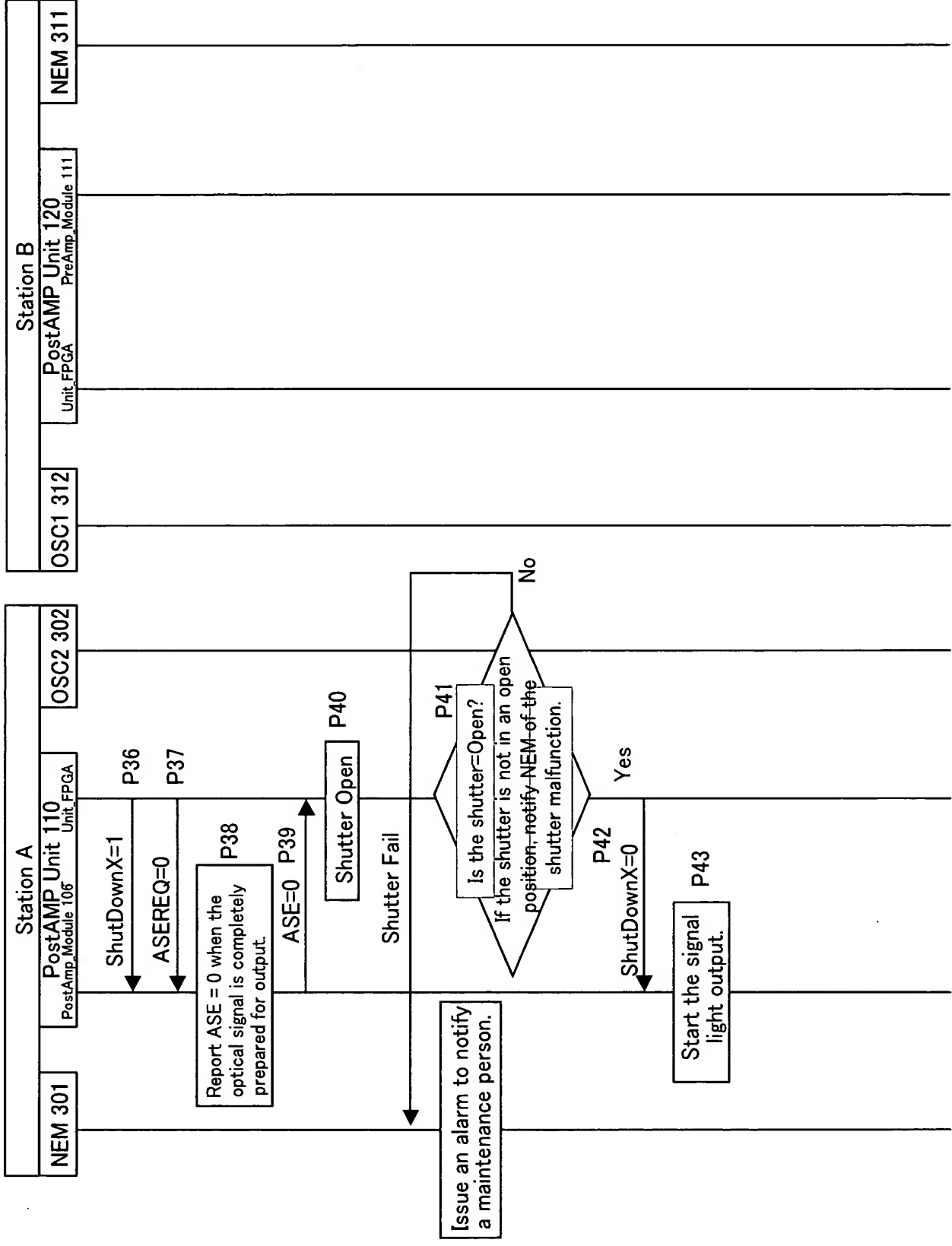


Fig. 10

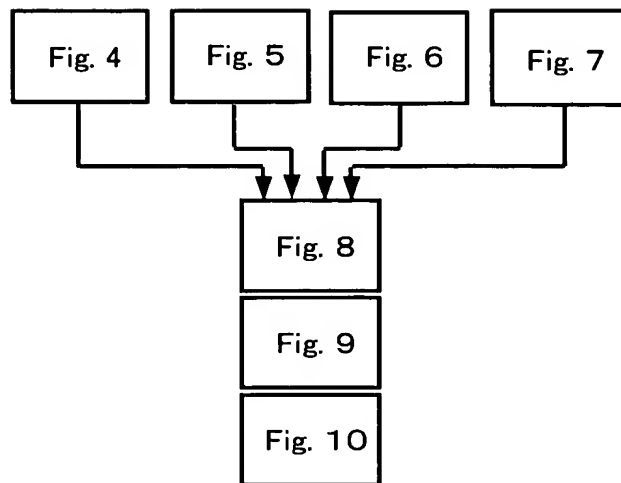
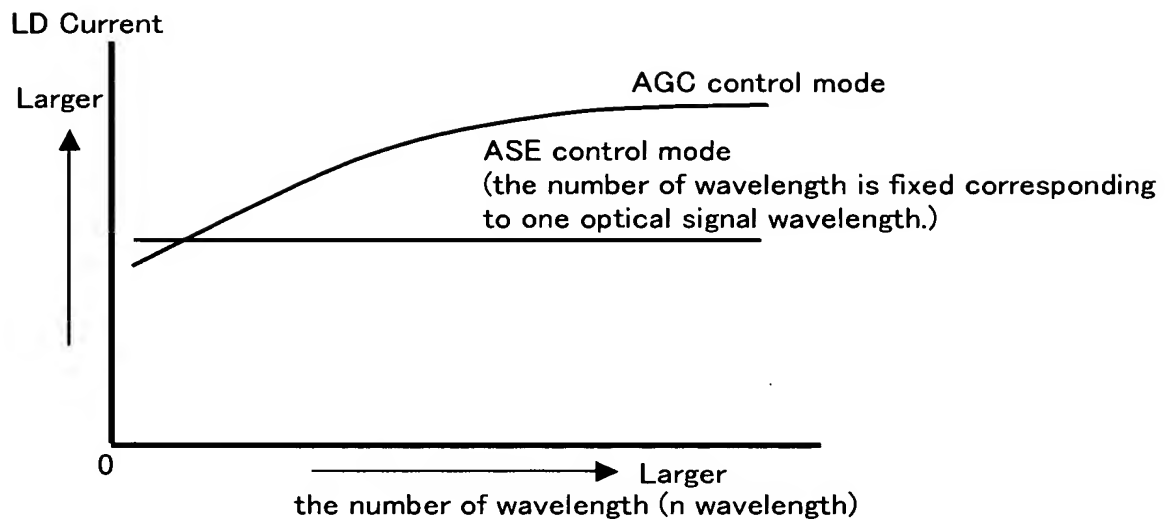


Fig. 11



Comparison chart of the LD Currents in the AGC mode and the ASE mode